



Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P23694Serial No.
10/646,907INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

Applicant
Hiroshi NOMURAFiling Date
August 25, 2003Group
2851

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2004 / 0 0 4 2 0 9 5	03/04/04	NOMURA			
	2004 / 0 0 4 2 0 9 3	03/04/04	NOMURA			
	2004 / 0 0 6 2 5 3 6	04/01/04	NOMURA			
	2004 / 0 0 5 1 9 6 8	03/18/04	NOMURA			
	2004 / 0 0 5 1 9 7 0	03/18/04	NOMURA			
	2004 / 0 0 6 2 5 3 7	04/01/04	NOMURA			
	2004 / 0 0 5 1 9 7 2	03/18/04	NOMURA			
	2004 / 0 0 4 2 0 9 1	03/04/04	NOMURA			
	2004 / 0 0 4 2 0 8 9	03/04/04	NOMURA			
	2004 / 0 0 5 1 9 7 1	03/18/04	NOMURA			
	2004 / 0 0 4 2 7 7 7	03/04/04	NOMURA			
	2004 / 0 0 4 2 7 7 8	03/04/04	NOMURA			
	2004 / 0 0 5 1 9 6 9	03/18/04	NOMURA			
	2004 / 0 0 5 1 9 6 7	03/18/04	NOMURA			
	2004 / 0 0 4 2 7 7 5	03/04/04	NOMURA			
	2004 / 0 0 4 2 0 9 6	03/04/04	NOMURA			
	2004 / 0 0 4 2 0 9 0	03/04/04	NOMURA			
	2004 / 0 0 4 2 7 7 6	03/04/04	NOMURA			
	2004 / 0 0 5 1 9 8 1	03/18/04	NOMURA			
	2004 / 0 0 4 2 0 9 2	03/04/04	NOMURA			
	4 5 2 5 0 5 0	06/25/85	OHASHI			
	4 6 4 3 5 5 5	02/17/87	WAKABAYASHI			
	4 7 2 1 9 7 2	01/26/88	WAKABAYASHI			
	4 7 9 2 8 2 2	12/20/88	AKIYAMA et al.			
	5 8 1 8 6 4 7	10/06/98	NISHIO et al.			
	6 0 3 1 9 9 8	02/29/00	SHONO			
	4 4 5 1 1 2 9	05/29/84	IKARI et al.			

EXAMINER

DATE CONSIDERED

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				Filing Date August 25, 2003		Group 2851							
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		DOCUMENT NUMBER						DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
		4	6	4	3	5	5	4	02/17/87	OGAWA			
		4	7	7	1	3	0	3	09/13/88	MATSUMOTO et al.			
		4	8	8	7	1	0	7	12/12/89	NAKAMURA et al.			
		5	1	3	6	3	2	4	08/04/92	TSUBOI et al.			
		5	7	6	5	0	4	9	06/09/98	HASE et al.			
		5	8	3	2	3	2	6	11/03/98	TANAKA			
		6	3	6	6	3	2	3	04/02/02	SHONO			
		6	1	1	5	1	9	0	09/05/00	HIRAI			
		6	0	6	4	5	3	3	05/16/00	KENIN et al.			
	2003	/0	0	8	1	3	2	5	05/01/03	NOMURA et al.			
	2001	/0	0	2	4	5	7	3	09/27/01	NOMURA et al.			
	2002	/0	1	3	5	9	0	0	09/26/02	NOMURA et al.			
		6	0	7	5	6	5	5	06/13/00	FUNAHASHI			
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	2003	/0	0	8	1	3	2	7	05/01/03	NOMURA et al.			
	2002	/0	1	3	5	8	9	6	09/26/03	NOMURA et al.			
		6	0	5	5	1	1	6	04/25/00	NOMURA et al.			
		6	2	0	4	9	7	7	03/20/01	IWASA			
		5	4	3	0	5	1	6	07/04/95	UZIIE et al.			
	2003	/0	0	8	1	9	4	8	05/01/03	NOMURA et al.			
2001	/0	0	1	9	4	5	8	09/06/01	NOMURA et al.				
	4	9	9	3	8	1	5	02/19/91	YAMAZAKI et al.				
	5	7	3	1	9	1	3	03/24/98	IMANARI				
	5	7	3	9	9	6	2	04/14/98	ASAKURA et al.				
2003	/0	1	5	6	8	3	2	08/21/03	NOMURA et al.				
	5	5	8	7	7	5	4	12/24/96	KATAYAMA et al.				
	6	0	5	2	5	3	5	04/18/00	UNO				
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		5 2 2 3 8 7 3	06/29/93	TSUBOI			
		5 0 8 6 3 1 2	02/04/92	TANAKA et al.			
		5 4 9 9 1 4 3	03/12/96	SAKAMOTO et al.			
		6 0 6 9 7 4 5	05/30/00	FUJII et al.			
		6 3 2 4 0 1 9	11/27/01	TAKANASHI et al.			
		5 4 8 5 3 1 5	01/16/96	NOMURA et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER						DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO		
	58	-	1	4	5	9	3	0	08/31/83	JAPAN	1	1		
	61	-	-	6	9	0	0	2	04/09/86	JAPAN	1	1		
	61	-	2	7	9	7	3	7	12/01/86	JAPAN	1	1		
	63	-	1	4	9	6	2	9	06/22/88	JAPAN	1	1		
	64	-	3	4		6	2	3	03/02/89	JAPAN	1	1	X	
	6	-	1	8		7	7	7	01/28/94	JAPAN	1	1	X	
	7	-	1	9	1	2	4	9	07/28/95	JAPAN	1	1		
	11	-	1	0	9	2	0	3	04/23/99	JAPAN	1	1		
	58	-	1	0		7	0	8	01/21/83	JAPAN	1	1		
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	2	3	0	9		5	5	1	07/30/97	UNITED KINGDOM	1	1		
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	2	2	6	1		2	9	8	05/12/93	UNITED KINGDOM	1	1		
	2002	-	2	7	7	7	1	9	09/25/02	JAPAN	1	1		

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		DOCUMENT NUMBER						DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO		
	10	-	2	8	2	3	9	4	10/23/98	JAPAN				
	58	-	1	6	2	9	1	4	09/27/83	JAPAN				
		0	6	3	4	6	8	0	01/18/95	E.P.O.				
		10	-	3	2	7	4	0	02/03/98	JAPAN			X	
	7	-	2	8	8	7	2	4	10/31/95	JAPAN			X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	1	English Language Abstract of JP 58-10708.
	2	English Language Abstract of JP 2003-207709.
	3	English Language Abstract of JP 2002-277719. ✓
	4	English Language Abstract of JP 10-282394. ✓
	5	English Language Abstract of JP 58-162914. ✓

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